

# Day 1—February 1, 2022

8:30	Registration and Refreshments—Lobby		
9:30	Opening Remarks and Welcome—DNREC Secretary Shawn M. Garvin—Riverfront Ballroom		
9:45	Alison Rogerson, DNREC Wetland Monitoring and Assessment Program—Riverfront Ballroom		
Room:	Dravo Auditorium	Christina Ballroom	Pusey & Jones Room
Title:	Wildlife: Habitats	Mitigation and Non-tidal Restoration	Policy and Planning
Moderator:			
10:20	Small Mammal Communities are Similar Between Mitigated and Natural Wetlands in West Virginia <i>Krista Noe, West Virginia University</i>	Bensalem Township High School Wetland/Stream Mitigation Project <i>Andrew Donaldson, JMT Inc.</i>	Uncovering the History of D.C.'s Buried Streams and Wetlands <i>Larry Trout, Straughan Environmental Inc.</i>
10:45	Diamondback Terrapin Habitat Use and Movements in a Southern New Jersey Salt Marsh <i>Brian Williamson, The Wetlands Institute</i>	Revisiting Successful Wetland Mitigation Projects—Is Five Years of Monitoring Sufficient? <i>Michael Rehman, Princeton Hydro LLC</i>	Three Tools to Investigate Restoration Needs, Opportunities, and Outcomes <i>Josh Moody, Partnership for the Delaware Estuary</i>
11:10	Mapping Delaware's Coastal Wetland Biodiversity <i>Hallie Marshall, Delaware State University</i>	Innovative Constructed Wetlands on Agricultural Land <i>Chris Becraft, Underwood &amp; Associates</i>	Delaware's Climate Action Plan <i>Maggie Pletta, DNREC Climate, Coastal and Energy</i>
11:35	Wetlands and Wildlife Crossings in New Jersey <i>Allegra Mitchell, NJDEP Bureau of Watershed Management</i>	Ecological Restoration: Restoring Natural or Novel and Does It Matter? <i>Joe Berg, Biohabitats</i>	Obtaining a Water Quality Certification in the First State <i>Julie Molina, DNREC Wetlands and Subaqueous Lands Section</i>
12:00	Lunch (Riverfront Ballroom), Poster Viewing, Networking & Dessert (Governors' Hall)		
12:30	Society of Wetland Scientists, Mid-Atlantic Chapter Meeting (SWSMAC) — Christina Ballroom		
Title:	Coastal Adaptations and Change	Wildlife: Birds	Tidal Restoration
Moderator:			
1:30	Nature-Based Shoreline Stabilization: Designs, Performance, and the Future <i>Bartholomew Wilson, USFWS Northeast Region</i>	Wintering Waterfowl: Distribution, Behavior, and Avian Influenza Virus Risk to Poultry <i>Matthew J. Hardy, University of Delaware</i>	Wetland Soil Performance Assessment Using Mn IRIS (Indicator of Reduction in Soils) Technology <i>Martin Rabenhorst, University of Maryland</i>
1:55	Trees as a Nature-Based Solution to Climate Change <i>Catie Soriano, DNREC Coastal, Climate, and Energy</i>	Drones for Studying Clapper Rail Nesting in Delaware <i>Hailey Glasko, University of Delaware</i>	Use of Soil Morphology to Characterize Pre-Disturbance Hydrology in Wetland Restoration <i>Bruce Vasilas, University of Delaware</i>
2:20	Assessment of Tidal Marsh Vulnerability to Sea Level Change within the Chesapeake Bay Sentinel Site Cooperative Network <i>Scott Lerberg, Chesapeake Bay NERRS VIMS</i>	Clapper Rail Nest and Chick Survival in Delaware <i>Elisa Elizondo, University of Delaware</i>	Using Remote Sensing to Monitor Vegetation Community Response to Large-Scale Tidal Marsh Restoration at Prime Hook National Wildlife Refuge <i>Susan Guiteras, USFWS Coastal Delaware NWR Complex</i>
2:45	Break & Refreshments—Governors' Hall		
3:00	Translating Marsh-Forest Ecotone Groundwater Hydrology to an Ecosystem Service Provided by Coastal Forests <i>LeeAnn Half, Partnership for the Delaware Estuary</i>	Saltmarsh Sparrow Conservation Efforts: New Tools to Prioritize Implementation <i>Mitch Hartley, USFWS Atlantic Joint Coast Venture</i>	Lessons Learned: Restoring the Northernmost Freshwater Tidal Marsh on the Delaware River <i>Mark Gallagher, Princeton Hydro LLC</i>
3:25	Public Outreach Program: Reclaim Our River, Nanticoke <i>Nan Zamorski, ROR Nanticoke Watershed Alliance</i>	Least Bittern Occupancy of State-Owned Impoundments in Delaware <i>Liz Tymkiw, University of Delaware</i>	Planting Design for Vegetation Establishment in Tidal Marsh Restoration <i>Lorie Staver, University of Maryland</i>
3:50	Drivers and Impacts of Marsh Migration in the Coastal Critical Zone <i>Holly Michael, University of Delaware</i>	Assessment of Saltmarsh in Delaware Bay for Tidal Marsh Birds <i>Greg Shriver, University of Delaware</i>	Demonstrating the Utility of Low-tech, Low-cost, and Low Disturbance Salt Marsh Restoration Techniques in the Mid-Atlantic <i>Kaity Ripple, USFWS Delaware Bay Estuary Project</i>
4:20	Eat, Drink, and Connect in Governors' Hall: 4:20—6:00PM		

**Day 2—February 2, 2022**

8:15	Registration and Refreshments—Lobby		
9:15	Opening Remarks and Student Poster Awards—Alison Rogerson, DNREC—Riverfront Ballroom		
9:30	Josh Murphy, NOAA's Digital Coast—Riverfront Ballroom		
<b>Room:</b>	<b>Dravo Auditorium</b>	<b>Christina Ballroom</b>	<b>Pusey &amp; Jones Room</b>
<b>Title:</b>	<b>Beneficial Use</b>	<b>Wildlife: Invertebrates</b>	<b>Soils and Contaminants</b>
<b>Moderator:</b>			
10:20	Beneficially Using Dredged Sediments to Enhance Marshes, Build Resiliency, and Restore Habitats in NJ's Back Bays <i>Lenore Tedesco, The Wetlands Institute</i>	Impact of Emerald Ash Borer in Tidal Swamps and Possible Management Strategies <i>Andrew H. Baldwin, University of Maryland</i>	Mapping and Modeling Surface Organic Carbon Content in Blackbird and St. Jones Marshes <i>Daniel Warner, Delaware Geological Society</i>
10:45	Use of Thin Cover Placement to Restore Wetlands: A Pilot Application in Brunswick, Georgia <i>Mark Reemts, Anchor QEA LLC</i>	Aragonite Saturation as an Indicator for Oyster Habitat Health in Delaware Inland Bays <i>Tahera Attarwala, Delaware State University</i>	In-situ Remediation of PCB Impacted Wetlands <i>Upal Ghosh, University of Maryland Baltimore County</i>
11:10	Evaluation of Elevation Change in Tidal Wetland Enhancement Projects <i>Metthea Yepsen, NJDEP</i>	Eastern Oysters Spawning and Impact on Recruitment, Water Quality, and Species <i>Marcus Teat, Delaware State University</i>	Biodegradation of Chlorinated and Fluorinated Organic Contaminants in Wetlands <i>Michelle M. Lorah, U.S. Geological Survey</i>
11:35	Beneficial Re-Use of Dredge Material as a Potential Method of Tidal Salt Marsh Restoration in Southern New Jersey <i>Elizabeth Muntean, The Nature Conservancy</i>	Comparing Stable Carbon and Nitrogen Isotopes to Examine Feeding Trends in Blue Crabs Across Vegetation Zones in Blackbird Creek <i>Jacquiline Maina, Delaware State University</i>	PCB Contaminants in a Dover Tidal Marsh: A Pilot Study <i>Kari St. Laurent, DNREC Delaware Coastal Programs</i>
12:00	<b>Lunch (Riverfront Ballroom), Poster Viewing, Networking and Dessert (Governors' Hall)</b>		
<b>Title:</b>	<b>Monitoring and Assessment</b>	<b>Green Infrastructure</b>	<b>Northern Delaware Remediation</b>
<b>Moderator:</b>			
1:30	Update on the New Jersey Tidal Wetlands Monitoring Network <i>Kirk Raper, NJDEP</i>	Lewes-Rehoboth Canal Living Shoreline Expansion <i>Brian, Marsh, USFWS Delaware Bay Estuary Project</i>	Multi-Stakeholder Data Compilation and Management for Contaminated Wetland Sites <i>Mark Meyers, Anchor QEA LLC</i>
1:55	Establishment of a Long-Term Water Quality Monitoring Program at Seven Mile Island Innovation Laboratory in New Jersey <i>Kristen Forgaren, Boston College</i>	TBA	CBR4: A Holistic and Collaborative Approach to Restoring River Health <i>Jennifer Adkins, American Rivers</i>
2:20	The Freshwater Tidal Marshes of the Upper Christina River <i>William A. McAvoy, DNREC Fish and Wildlife</i>	I Think We Need a Bigger Breakwater: Challenges and Successes from Gandy's Beach Living Shoreline <i>Adrianna Zito-Livingston, The Nature Conservancy in New Jersey</i>	Meco Drive/Little Mill Creek Remediation <i>Kevin Popowich, DNREC Remediation Section</i>
2:45	<b>Break and Refreshments—Governors' Hall</b>		
3:00	Long-Term Monitoring of the Peatlands in Pennsylvania <i>Mary Ann Furedi, Western Pennsylvania Conservancy</i>	Sediment Vegetation Interactions in the Created Marshes of Living Shorelines: Does Age Matter? <i>Cindy Palinkas, University of Maryland</i>	South Wilmington Wetland Park Remediation and Construction <i>Justin Reel, RK&amp;K</i>
3:25	Remote-Sensing Based Wetland Functional Assessment for the Mid-Atlantic <i>Peter Backhaus, Penn State University</i>	Delaware Botanic Gardens Living Shoreline <i>Bob Collins, Delaware Center for the Inland Bays</i>	A-Street Ditch Project Summary <i>John G. Cargill, DNREC Wetland Assessment and Management Section</i>
	<b>Thank you and see you in 2024!</b>		